

## APPENDIX A

ATTY Case No.	Serial No./ Filing Date	Inventors>Title	Status
00-653-A	U.S. 09/927,777 Filed 8/10/01	Mirkin, Letsinger, Mucic, Storhoff, Elghanian, Taton, Garamella, Li, Park/ NANOPARTICLES HAVING OLIGONUCLEOTI DES ATTACHED THERETO AND USES THEREFORE	ALLOWED
00-713-B1	09/923,625 Filed 8/7/01	Mirkin, Letsinger, Mucic, Storhoff, Elghanian/ NANOPARTICLES HAVING OLIGONUCLEOTI DES ATTACHED THERETO AND USES THEREFOR	PENDING
00-713-C	09/344,667, filed 6/25/99	Mirkin, Letsinger, Mucic, Storhoff, Elghanian/ NANOPARTICLES HAVING OLIGONUCLEOTI DES ATTACHED THERETO AND USES THEREFORE	U.S. Patent No. 6,361,944, issued 3/26/02
00-713-I	U.S.S.N 09/603,830 Filed 6/26/00	Mirkin, Letsinger, Mucic, Storhoff, Elghanian, Taton; NANOPARTICLES HAVING OLIGONUCLEOTI DES ATTACHED THERETO AND USES THEREFOR	U.S. Patent No. 6,506,564, issued 1/14/03
00-713-I-1	09/961,949 9/20/01	Mirkin, Letsinger, Mucic, Storhoff, Elghanian, Taton;	U.S. Patent No. 6,582,921, issued June 24, 2003

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		NANOPARTICLES HAVING OLIGONUCLEOTI DES ATTACHED THERETO AND USES THEREFOR	
<b>00-713-I-2</b>	09/957,318 9/20/01	See 00-713-I-1	ALLOWED
<b>00-713-I-3</b>	09/957,313 9/20/01	See 00-713-I-1	U.S. Patent No. 6,645,721, issued 11/11/03
<b>00-713-I-4</b>	09/966,491 9/28/01	See 00-713-I-1	U.S. Patent No. 6,610,491
<b>00-713-I-5</b>	09/966,312 9/28/01	See 00-713-I-1	ALLOWED
<b>00-713-I-6</b>	09/967,409 9/28/01	See 00-713-I-1	ALLOWED
<b>00-713-I-7</b>	09/974,500 10/10/01	See 00-713-I-1	ALLOWED
<b>00-713-I-8</b>	09/974,007 10/10/01	See 00-713-I-1	PENDING
<b>00-713-I-9</b>	09/973,638 10/10/01	See 00-713-I-1	PENDING
<b>00-713-I-10</b>	09/973,788 10/10/01	See 00-713-I-1	ALLOWED
<b>00-713-I-11</b>	09/975,062 10/11/01	See 00-713-I-1	ALLOWED
<b>00-713-I-12</b>	09/975,376 10/11/01	See 00-713-I-1	PENDING
<b>00-713-I-13</b>	09/975,384 10/11/01	See 00-713-I-1	PENDING
<b>00-713-I-</b>	09/975,498	See 00-713-I-1	ALLOWED

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14	10/11/01		
00-713-I-15	09/975,059 11/11/01	See 00-713-I-1	PENDING
00-713-I-16	09/976,601 10/12/01	See 00-713-I-1	PENDING
00-713-I-17	09/976,968 10/12/01	See 00-713-I-1	PENDING
00-713-I-18	09/976,971 10/12/01	See 00-713-I-1	ALLOWED
00-713-I-19	09/976,863 10/12/01	See 00-713-I-1	PENDING
00-713-I-20	09/976,577 10/12/01	See 00-713-I-1	ALLOWED
00-713-I-21	09/976,618 10/12/01	See 00-713-I-1	PENDING
00-713-I-22	09/981,344 10/15/01	See 00-713-I-1	ALLOWED
00-713-I-23	09/976,900 10/12/01	See 00-713-I-1	PENDING
00-713-I-24	09/976,617 10/12/01	See 00-713-I-1	ALLOWED
00-713-I-25	09/976,378 10/12/01	See 00-713-I-1	PENDING
00-713-i-26	10/410,324 04/10/03	See 00-713-I-1	PENDING
00-713-L	U.S.S.N. 09/693,005 Filed 10/20/00	Mirkin, Letsinger, Mucic, Storhoff, Elghanian/ NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED	U.S. Patent No. 6,495,324, issued 12/17/02

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		THERETO AND USES THEREFORE	
<b>00-713-M</b>	U.S.S.N. 09/693,352 Filed 10/20/00	Mirkin, Letsinger, Mucic, Storhoff, Elghanian/ NANOPARTICLES HAVING OLIGONUCLEOTI DES ATTACHED THERETO AND USES THEREFORE	U.S. Patent No. 6,417,340, issued 7/9/02
<b>00-714-G</b>	U.S. 09/830,620 Filed 8/15/01	Mirkin, Nguyen/ NANOPARTICLES WITH POLYMER SHELLS	PENDING
<b>00-715-A</b>	U.S. 09/760,500 Filed 1/12/01	Mirkin, Letsinger, Mucic, Storhoff, Elghanian, Taton; Garamella, Li/ METHOD OF ATTACHING OLIGONUCLEOTI DES TO NANOPARTICLES AND PRODUCTS PRODUCED THEREBY	ALLOWED
<b>00-1085-A</b>	U.S.S.N. 09/820,279 Filed 3/28/01	Mirkin, Letsinger, etc./ METHOD AND MATERIALS FOR ASSAYING BIOLOGICAL MATERIALS	ALLOWED
<b>00-1086-A</b>	U.S. 09/903,461 Filed 7/11/01	Letsinger, Garamella/ METHOD OF DETECTION BY ENHANCEMENT OF SILVER STAINING	U.S. Patent No. 6,602,669, Filed 8/5/03
<b>01-565-A</b>	USSN 10/125,194 Filed 4/18/02	Mirkin, Nguyen, Watson, Park/ OLIGONUCLEOTI DE-MODIFIED ROMP POLYMERS	PENDING

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		AND CO-POLYMERS	
<b>01-599-A</b>	U.S.S.N. 10/291,291 Filed 11/08/02	Storhoff/NOVEL THIOL-BASED METHOD FOR ATTACHING OLIGONUCLEOTIDES TO NANOPARTICLES	PENDING
<b>01-661-A</b>	U.S.S.N. 10/034,451 Filed 12/28/01	Mirkin, Cao, Jin/DNA-MODIFIED CORE-SHELL AG/AU NANOCRYSTALS	PENDING
<b>01-661-C</b>	U.S.S.N. 10/153,483 Filed 5/22/02	Mirkin, Cao, Jin/DNA-MODIFIED CORE-SHELL AG/AU NANOCRYSTALS	PENDING
<b>01-661-E</b>	U.S.S.N. 10/397,579 3/26/03	Mirkin, Cao, Jin/DNA-MODIFIED CORE-SHELL AG/AU NANOCRYSTALS	PENDING
<b>01-1565-A</b>	U.S.S.N. 10/266,983 Filed 10/08/02	Park, Taton, Mirkin/ARRAY-BASED ELECTRICAL DETECTION OF DNA USING NANOPARTICLE PROBES	PENDING
<b>01-1705-A</b>	U.S.S.N. 10/108,211 Filed 3/27/02	Nam, Park, Mirkin/BIO-BARCODES BASED ON OLIGONUCLEOTIDE-MODIFIED NANOPARTICLES	PENDING
<b>02-338-B</b>	USSN 10/172,428 Filed 6/14/02	Cao, Jin, Nam, Mirkin/MULTICHANNEL DETECTION USING NANOPARTICLE	PENDING

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		PROBES WITH RAMAN SPECTROSCOPIC FINGERPRINTS	
02-338-C	10/431,341 5/7/03	Cao, Jin, Nam, Mirkin/MULTICHA NNEL DETECTION USING NANOPARTICLE PROBES WITH RAMAN SPECTROSCOPIC FINGERPRINTS	PENDING